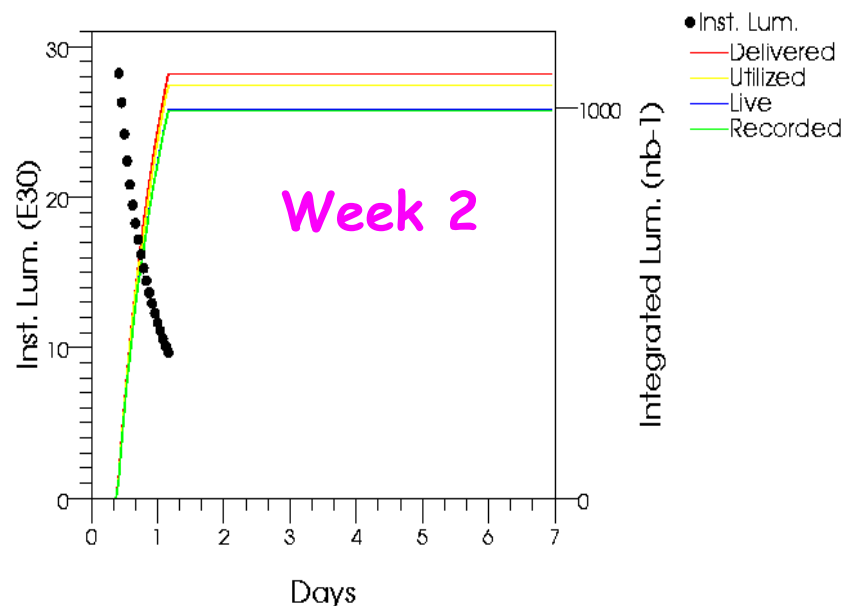
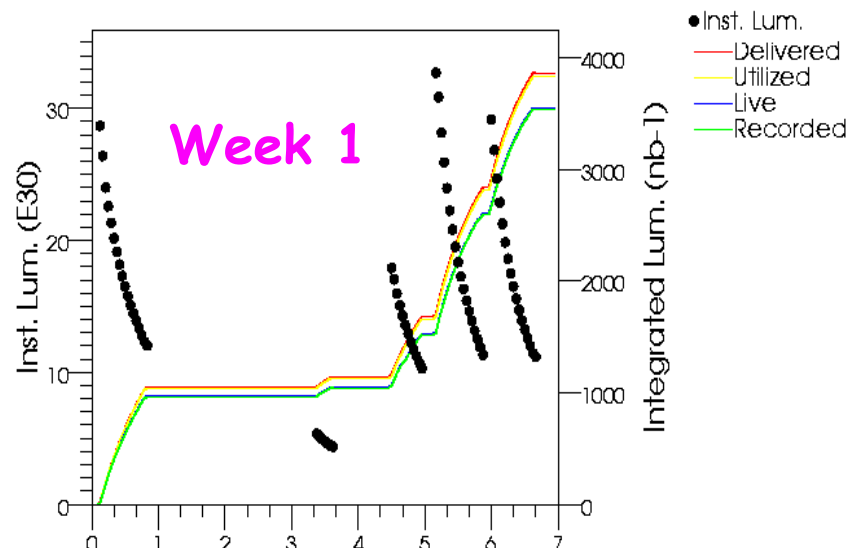
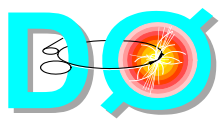


DO bi-weekly Summary: May 19th to June 1st

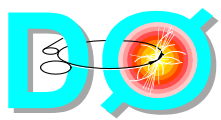
- Delivered Luminosity and operating efficiency
 - ♦ Delivered 5.0pb^{-1}
 - ♦ Recorded 4.6pb^{-1} (91%)
- Mostly smooth data taking
 - ♦ Best two weeks on record in terms of data taking efficiency
- Total number of events collected
 - ♦ 11 mln
- Beam halo
 - ♦ Mainly close to be within specs
 - ♦ Problems are resolved with MCR on case by case basis
- Beam position
 - ♦ Within 1mm from the detector center and stable





Activities During Shutdown Week

- Multiple jobs to improve reliability of the detector elements
 - ♦ Replacement of muon LVPS VME power supplies: 5 units
 - ♦ Replacement of fans in the cathedral area: 3 units
 - ♦ Electronics repairs in the muon A-layer
 - ♦ Rack monitor interface modifications/maintenance in the hall
- Detector opening/closing and re-survey went smoothly this time
- Recovery from multiple power outages on Friday/Saturday was painful
 - ♦ Too late with many experts been away from the Lab
 - ♦ Some elements, including some power supplies, had to be replaced
- Flooding of the collision hall
 - ♦ Caused by the DO collision hall used "as drain" during low beta LCW leak on Saturday
 - ▲ ~100 gallons of water penetrated from the tunnel to the hall under shielding wall
 - ▲ Silicon control units located on sidewalk, gas piping, etc. have been "under water" for ~ 1-2 hours
 - ▲ Cleaned as much water as we can during CA on Saturday
 - At this moment we see no direct damage to the detector elements
- First post shutdown store
 - ♦ Started data taking within ~ an hour after beam was stable (re-scraping)
 - ♦ The only known issue is failure of two muon Level 1 trigger cards at ~1:30am
 - ▲ Requested one hour access after end of the current store
 - ♦ Shutdowns are very painful
 - ▲ Lately no gain in performance
 - ▲ Always problems with reliability and experts "disturbing" different systems



D0 Summary

- Stably collected physics data with full detector in readout in May
 - ◆ Last two weeks of May D0 operating efficiency is ~91.5%
 - ◆ For the month of May operating efficiency is 89%
 - ◆ June will be hard to keep efficiency high
 - ▲ Un-stable (for now) accelerator performance
 - ▲ New trigger list coming on-line
 - ▲ D0 Experiment Workshop in France (many experts are away for extended period of time)
 - ▲ Summer vacations starting
- Plan for this week
 - ◆ Physics data taking during stack and store operations